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Wear Characteristics of the Residual Austenite in Isothermally Quenched Grey Cast Iron, by A. N. Chukhlev.

RUSSIAN, Fiz. Metallov i Obra Metallovn, No 2, 1956, pp 33-35.

AEI E/1736

Sci
Sun 63

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

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Effect of Metallurgical Factors Upon Temper Brittleness, by S. M. Baranov.

RUSSIAN, mo per, Metallovedeniye i Obrabotka Metallov, MM No 12, Moscow, Dec 1956, pp 40-45.

Brutcher Tr 4013
$6.75

Sci - Min/Met

Jan 58

57,027

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

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Effect of Tempering Upon Mechanical Properties of Chrome-Plated Steel Parts, by V. S. Borisov, F. N. Naumov.

RUSSIAN, no per, Metallovedenie i Obrabotka Metallov, No 12, Dec 1956, pp 50-56.

Brutcher Tr 4040
$4.80

Sci - Min/Met

57,370

Jan 58

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

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The Process of Carbide Formation During Tempering of Carbon Steel, by B. A. Apayev.

RUSSIAN, pez, Metal i Obrabotka Metallov, No 1, 1957, pp 2-15.

Dept of Interior
Bur of Mines

Sci - Min/Met

Apr 58

61,181

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

Effect of Residual Stresses on the Contact Fatigue Strength of Rolls Used in Cold Rolling, by V. N. Nevlkov, 19 p.

RUSSIAN, per, Metallovedeniye i Termicheskaya Obrabotka Metallov, 1957, No 1, pp 43-50.

BLA 60-10232

Bal
Apr 60
Vol XII, No 3

111,986

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

Low-Temperature Nitriding of Structural Steel, by R. I. Mishkevich, P. I. Solntsev, A. V. Smirnov, 7 pp.

RUSSIAN, per, Metalloved i Obrabotka Metal, 1957, No 2, pp 49-54.

ATS RT-AV

Assoc Tech Serv 00316R

Bel
Aug 58

Brutcher
4046

70,902

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

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Reactions Involved in the Impregnation of Steel Surfaces With Metals, by V. A. Illarionov.

RUSSIAN, mo per, Metallov i Obrabotka Metallov, No 3, Mar 1957, pp 2-8.

Henry Brutcher
Tr 3967
$7.75

50,683

Sci - Min/Metals
Aug 57

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

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Sigma Phase in 25-20 Steel Welds, by B. I. Medovar.

RUSSIAN, mc per, Metallov i Obrabotka Metallov, No 3, Mar 1957, pp 27-30.

Henry Brutcher
Tr 3954
$2.85

Sci - Min/Metals
Aug 57

50,682

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

Effect of Isothermal Heat Treatment on Fatigue Strength and Wear Resistance of Steel, by M. B. Shapiro.

RUSSIAN, per, Metal i Obrav Metalloy, No 3, 1957, pp 57-60.

HB 4202

Sci - Min/Met

Oct 60

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

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Wear Resistance of Plain Carbon and High Chromium Steels, by D. Ya. Vishnyakov, A. G. Vinitskii.

RUSSIAN, per, Metal i Obrabotka Metallov, No 4, Apr 1957, pp 2-9.

Bruthger Tr 4137
$6.70

Sci - Min/Met

Aug 58

68,207

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

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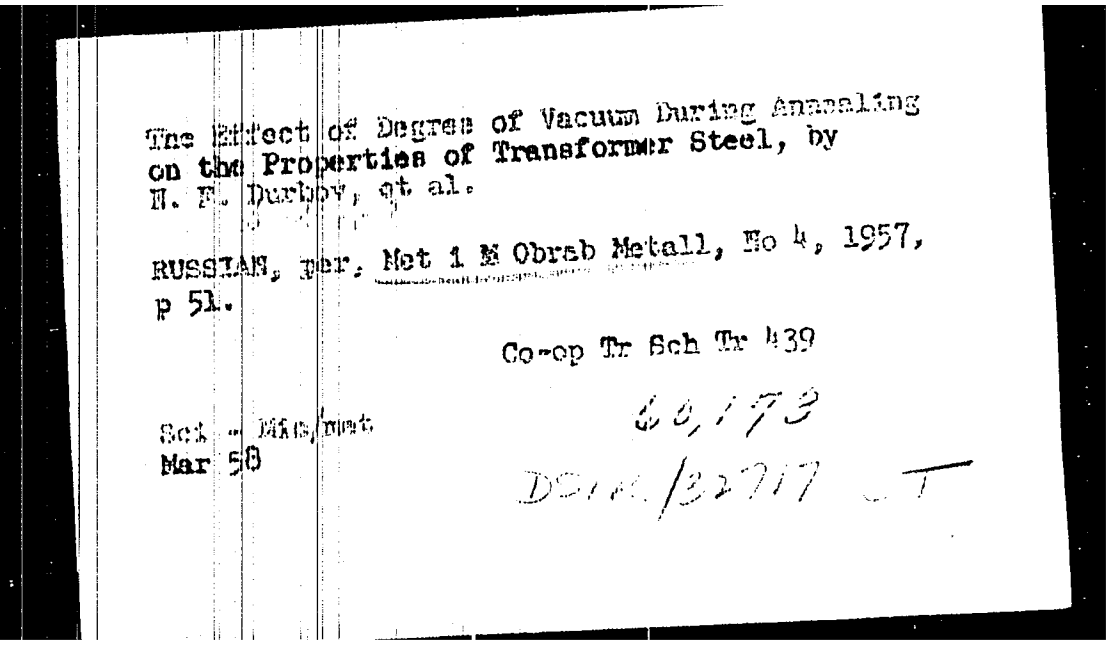

The Effect of Degree of Vacuum During Annealing on the Properties of Transformer Steel, by M. F. Durbov, et al.

RUSSIAN, per. Met i M Obrab Metall, No 4, 1957, p 51.

Co-op Tr Sch Tr 439

Sci - Mis/met
Mar 58

60,173
DIA/32717 T

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

Study of Zone of Failure in Creep, by I. L. Mirkin, I. I. Trunin.

RUSSIAN, per, Metallovedenie I Obrabotka Metallov, No 6, June 19[illegible], pp 2-7.

Brutcher tr 3979
$5.75

Sel - Min/Met

Apr 58

61,427

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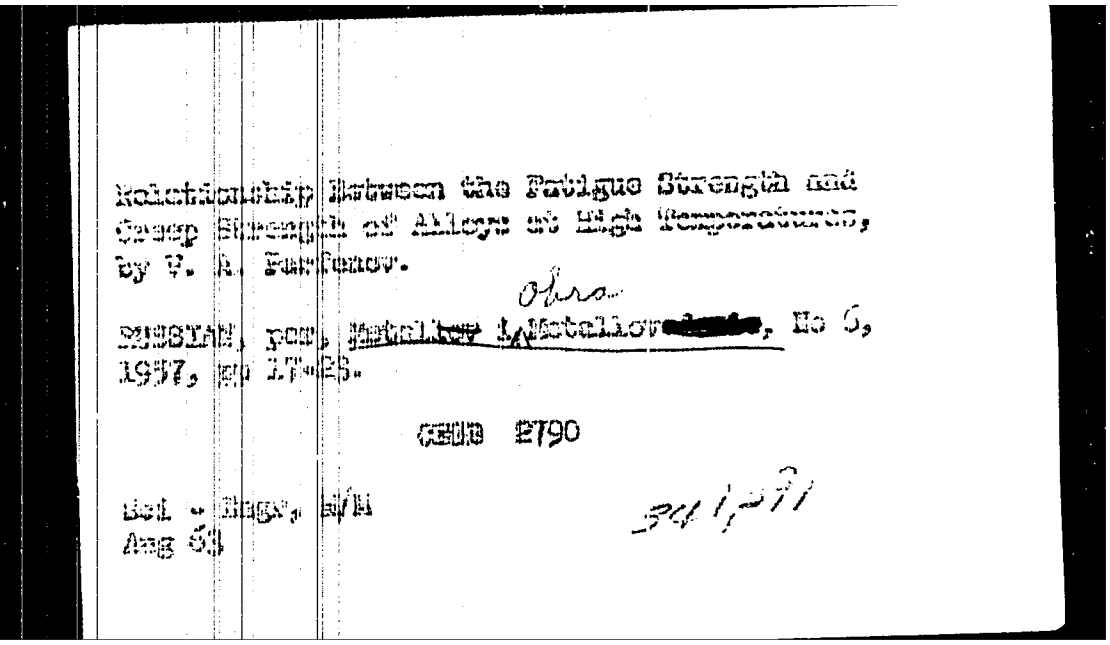

Relationship Between the Fatigue Strength and Creep Strength of Alloys at High Temperatures, by V. R. Bartenev.

Otdel.

MOSCOW, Gos. Nauchno Issledovatel[redacted], No 5, 1957, pp 17-25.

CSHB 2790

Sel - Engr, B/H
Aug 58

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

Discussion of Temper Brittleness - A Summation, Part I, by V. D. Sadovskiy.

RUSSIAN, per, Metallovedenie I Obrabotka Metallov, No 6, June 1957, pp 24-31.

Brutcher Tr 3980
$8.80

Sci - Min/Met

Apr 58

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

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Discussion of Temper Brittleness, by Axxs
V. D. Sadovskiy.

RUSSIAN, per, Metallov i Obratka Metall, No 6,
1957, pp 31-42.

Brutcher Tr 4043
$9.90

Sci - Phys

Jun 58

65,723

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

Surface Boronising of Low-Alloy Steels, by
V. D. Tkach et al. UNCLASSIFIED

MITSMK, per, Metal i Obra Metallov, No 6, 1957
pp 43-47.

Co-op Tr Scheme 529
(L 2.)

Jan 58
Sci - Min/Met

77,838
SLA: 61-18846

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

The Brittleness of Welded Seams of Titanium Caused by Hydrogen, by S. M. Gurevich, 6 pp.

RUSSIAN, per, Metall i Obrabotka Metallov, No 6, 1957, pp 47-50.

CIA/FDD X-3034

Sci - Minerals/Metals
Aug 58

70,985

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

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RUSSIAN, mo per, Metallovedenie i Obrabotka Metallov, No 6, Moscow, Jun 1957, pp 54-58.

Brutcher Tr 3982
$4.80

Sci - Min/Met

Jan 58

57,023
SLA-US-3982

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Change in Structure of Cemented Carbides on Heating, by P. K. Mikhailova.

RUSSIAN, por, Met i Obrab Metall, No 7, Jul 1957, pp 45-48.

Brutcher Tr 4045
$2.50

60, 525

Sci - Physics
Mar 58

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

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Properties of the Deformed Alloys of the System Titanium-Aluminum at Elevated Temperature, by R. N. Nikitenko, 8 pp.

RUSSIAN, per, Metall i Obrabotka Metallov, No 8, 1957, pp 7-14.

CIA/FDD X-3036

Sci - Minerals/Metals
Aug 58

70,987

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APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

Magnetic Investigation of Tempering of Nitrided Iron and Steel, by V. G. Permyakov, 3 pp.

RUSSIAN, per, Metallovedeniye i Obrabotka Metalov, No 8, Aug 1957, pp 15, 16.

US JPRS/DC-18
E-596/2

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APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

Connection of the Plasticity With the Alloying Capacity of the Solid Solutions, by A. A. Prosenyakov, 3 pp.

RUSSIAN, per, Metallovedeniye i Obrabotka Metallov, No 8, 1957, pp 21-24.

SLA 60-16994

196,876

Sci
May 62

Vol 4, No 10

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

Forging and Pressing of Heat-Resistant Alloys, by D.I. Berezhkovskiy.

RUSSIAN, Per, Metall i Obrab Metall, No 8, 1957, pp 51-61. 966:372.

ATIC MCL 547/1

Sci. - Min/Met
Jun 61

154937

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

The Effect of Composition of Mild-Steel Sheet on Its Impact Strength and Tendency to Ageing, by I. E. Brainin, et al. UNCLASSIFIED

RUSSIAN, per, Metal i Obrabotka Metallov, No 9, 1957, pp 2-4

*DSIR/TCL 106

Co-op Tr Scheme 546

Sci - Min/Met

Oct 58

82,023

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

Wear Resistance of Steel Surface-Impregnated With Carbide-Forming Elements, by G. N. Dubinin,

RUSSIAN, per, Metal i Obrab i Metallov, No 9, Sep 1957, pp 21-25.

Brutcher Tr 4015
$3.50

Sci - Min/met
Mar 58

60,373

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

Effect of Lithium on Cartain Properties of an Austenitic Steel, by R. P. Zaletayeva.

RUSSIAN, per, Metal i Obra Metallov, No 9, Sep 1957, pp 25-27.

Brutcher Tr 4262
$3.25

Sci - Min/Met

72,585

Sep 58

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

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Increasing the Strength and Wear Resistance of Machine Parts by Roller-Burnishing, by Darata, [illegible]

[illegible], pp, Metallov i Obra Met, No 9, 1957, pp 47-51.

British Iron and Steel Ind 960 (12.10.0)

76 272

Sci - Engr [illegible] 58

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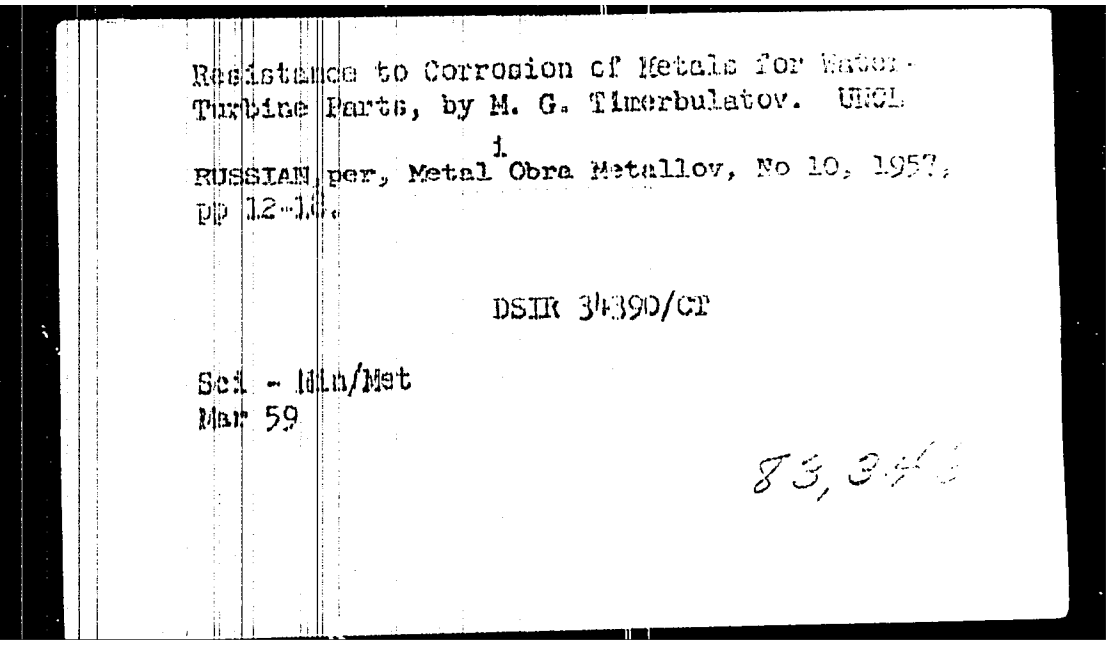

Resistance to Corrosion of Metals for Water-Turbine Parts, by M. G. Timerbulatov. UNCL.

RUSSIAN, per, Metal Obra Metallov, No 10, 1957, pp 12-16.

DSIR 34390/CP

Sci - Mtn/Met
Mar 59

83,345

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

Effect of Carbon on the Endurance Limit of Case-Carburized Steel, by I. D. Tytasenko.

RUSSIAN, per, Metal i Obra Metallov, No 10, 1957, pp 19-21.

Henry Brutcher 4514
$2.50

Sci - Min/Met

May 59

86,635

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

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Solidification of Hypereutectic Magnesium-Treated Cast Iron, by A. V. Chernovol.

RUSSIAN, per, Met i Obrab Metall, No 10, 1957, pp 21, 22.

Brutcher Tr 4044
$2.90

60, 367

Sci - Min/Met
Mar 58

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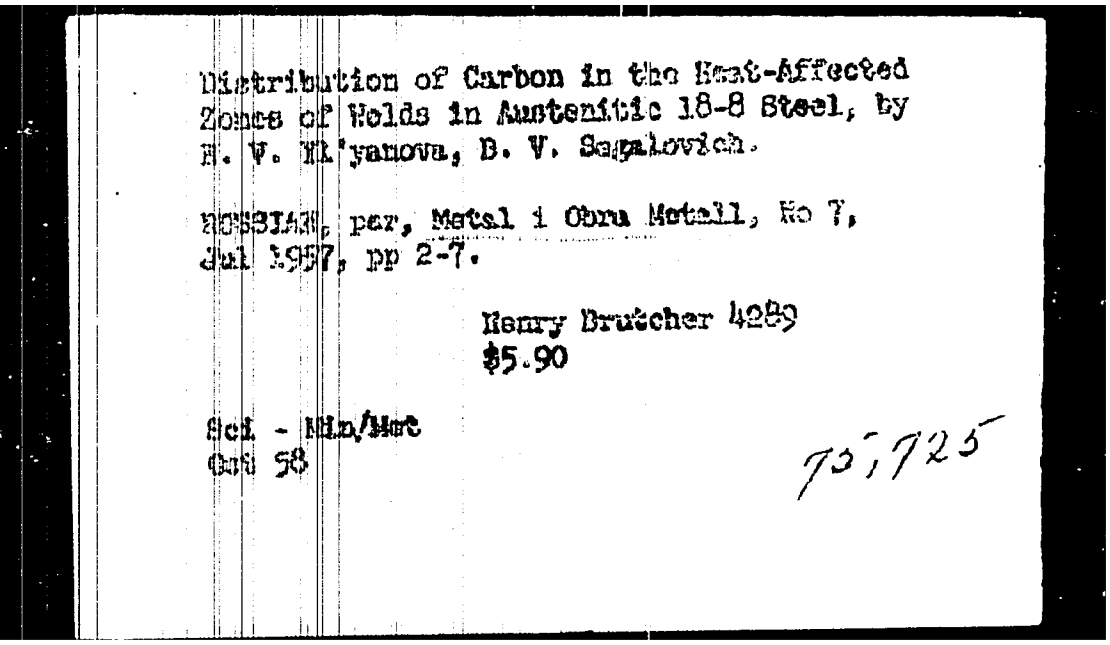

Distribution of Carbon in the Heat-Affected Zones of Welds in Austenitic 18-8 Steel, by E. V. Il'yanova, B. V. Sagalovich.

RUSSIAN, per, Metal i Obra Metall, No 7, Jul 1957, pp 2-7.

Henry Brutcher 4289
$5.90

Sci - Min/Met
Oct 58

73,725

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

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Raising the Temperature of Finishing Deformation as a Means of Reducing the Force Required for Large-Size Forging Blanks, by Altykis, Belan.
UNCLASSIFIED

RUSSIAN, per, Metall i Obrabotka Metal, No 10, 1957, p 48-54.

~~Co-op Tr Scheme~~
Tr 917

Sci - Min/Metals
May 58

63,243

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

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Successes of Soviet Metal Science, by A. A. Astaf'yev, 21 pp. UNCLASSIFIED

RUSSIAN, mc per, Metal i Obrabotka Metallov, No 11, Moscow, 11 Nov 1957, pp 2-10.

US JPRS/DC-L-346

USSR
Econ - Metallurgy
Sci - Min/Met
Jun 58

64,659

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

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Trends in the Development of High Temperature Metallography, by M. G. Losinskiy, 30 pp.

[illegible], Metal i Obrabotka Metallov, No 11, Moscow, 1957, pp 18-22.

UR JPRS/DC-L-973

USSR
Scientific - Minerals/Metals
Ecn. Geol. - Metallurgy

95, 752

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Improved Heat-Treating Processes for Large Forgings, by N. V. Firsen.

RUSSIAN, per, Metall i Obra Metallov, No 11, 1957, pp 77-80.

Henry Brutcher 4095
$5.75

Sci - Engr

Jan 59

78,638

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Scientific Achievements of TsNIITMash in the Field of Materials and Technology of Machine Building, by I. R. Kryukin, 13 pp.

RUSSIAN, per, Metal i Obrabotka Metallov, No 11, Moscow, 1957, pp 56-65.

US JPRS/DC-J-976

USSR
Scientific - Minerals/Metals
Economic - Metallurgy

75,797

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(NY-1579)

R-1794

Forty Years of Soviet Powder Metallurgy, by
N. Yu. Bal'shin, G. V. Samsonov, 19 pp.

RUSSIAN, no per, Metal i Obrabotka Metallov, No 12,
Moscow, Dec 1957, pp 15-25.

US JPRS/NY-L-124

USSR
Eco-Metallurgy
Powder metallurgy

61,304

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Recrystallization Processes in Nickel Alloys, by M. E. Blanter, L. I. Kuznetsov, 12 pp.

RUSSIAN, per, Metal i Obra Metallov, No 12, 1957, pp 31-36. 9660853

ATIC MIL-548

Sci - Min/Metals

May 61

150, 194

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Mechanism of Fracture of Alloy E-1437 During
Long Time Exposure at Elevated Temperatures, by
S. T. Kishkin, A. A. Klypin, 10 pp.

RUSSIAN, per, Met i Obrab Metallov, No 12, 1957,
pp 36-40.

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NATIONALS

Sci - Min/met
Sep 59

95,732

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The Surface Hardening of Titanium by Nitrogen
in Molten Borax, by A. M. Minkevich et al.
UNCLASSIFIED

RUSSIAN, per, Metal i Obra Metallov, No 12, 1957
pp 53-61.

Co-op Tr Scheme 544
(L 3.12n.)

Jan 58

77,841

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

The Effect of Fibre Orientation on the Fatigue Strength of Hardened Steel, by A. S. Sheyn, 14 pp.

RUSSIAN, per, Metal i Termich Obra Metallov, No 12, 1957, pp 61-66.

NRC C-3179

Sci

126,930

OTS, Vol III, No 6

Sep 60

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

The Effect of Fibre Orientation on the Fatigue Strength of Hardened Steel, by A. S. Shein, [illegible].

RUSSIAN, per, Metalloved i Obrabotka Metal, No 12, 1957, pp 61-66.

Natl Res Council of Canada
TT-833

Sci - Min/Met
Jan 60

105,826

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

Effect of Ultrasonic Vibration on the Structures of Eutectic Alloys, by V. V. Zaboleyev-Zotov, G. I. Pogodin-Alekseyev.

RUSSIAN, per, Metallovedenie I Obrabotka Metallov, No 1, Jan 1958, pp 2-6.

Brutcher Tr 4106
$5.80

Sci - Min/Met

Apr 58

61, 4402

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

Influence des Ultrasons sur la Texture des Alliages Eutectiques, (Effects of Ultrasound on the Texture of Eutectic Alloys), by V. V. Zabolleyev-Zotov, G. I. Pogodin-Alexeyev, 17 pp.

RUSSIAN to FRENCH, per, Metalloved i Obra Metal, No 1, 1958, pp 2-5.

Reverse Trans
CEA Tr-R-957

Sci
25 Apr 61

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X-Ray Study of the System Vanadium Carbide (VC)-Tungsten Carbide (WC), by M. A. Gurevich, B. F. Ormont.

RUSSIAN, per. Metallovedenie I Obrabotka Metallov, No 1, Jan 1958, pp 7-16.

Brutcher Tr 4107
$3.80

Sci - Min/Met

Apr 58

61, 4443

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

Phase Diagram of Chromium-Niobium System, by V. N. Eremenko, G. V. Zudilova, L. A. Gayevskaya.

RUSSIAN, per, Metallovedenie I Obrabotka Metallov, No 1, Jan 1958, pp 11-16.

Brutcher Tr 4108
$4.60

Sci - Min/Met

Apr 58

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Effect of [illegible] on the Kinetics of Austenite Grain Growth and the Actual Austenite Grain Size, by A. M. Terasov.

RUSSIAN, per, Metallovedenie i Obrabotka Metallov, No 1, 1958, pp 17-26.

Henry Brutcher TR-4118
$4.40

Sci - Mat/Met

Jun 58

66,119

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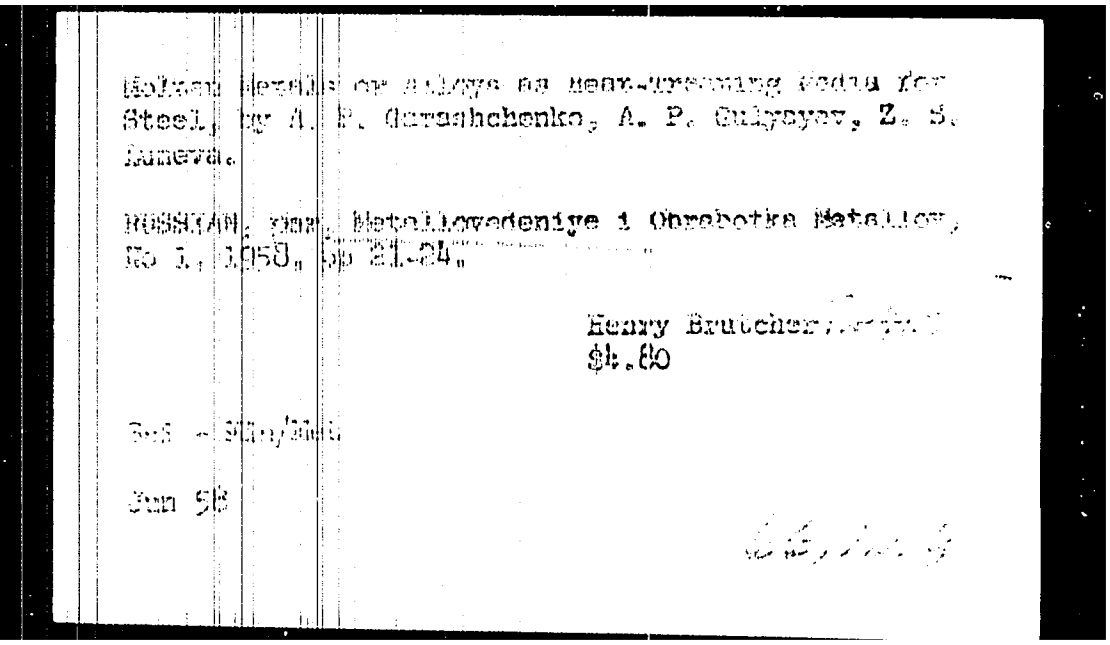

Molten Metals or Alloys as Heat-Transfer Media for Steel, by A. P. Gerasimchenko, A. P. Gulyayev, Z. S. Lunev[illegible].

RUSSIAN, Sbor. Metallovedeniye i Obrabotka Metallov, No 1, 1958, pp 21-24.

Henry Brutcher
$1.80

3-61 - Microfilm

Jan 59

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

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Heterogeneite de la Zone de Fusion des Joints de Soudure, (Heterogeneity of the Fusion Zone of Welded Joints), by L. S. Livshits, L. P. Dakhrakh, S. I. Panich, 12 pp.

RUSSIAN to FRENCH, per, Metallovedi i Obrabotka Metal, No 1, 1958, pp 26-29.

Reverse Trans
CEA Tr R-681

Sep 59

97,449

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

Composition Variations in Welds, by L. S. Livshits, et al.

RUSSIAN, per, Metall i Obra Metallov, Jun, 1958, No 1, pp 26-28.

Brutcher 4120

Sci - Min/Met

Jun 59

90,031

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

Changes in Properties of Ni-Cr Alloy E1765 for Stationary and Propulsion Turbines During Heatin For Up to 10,000 Hours, by V. Z. Taeitlin, G. G. Morozova.

RUSSIAN, per, Metal i Obra Metallov, No 1, 1958 pp 30-35.

HH 4121

15 804

Bel - Met/Met, Engr

Jun 61

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

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Nature of Interaction Between Titanium Boride and the Iron-Group Metals, by G. V. Samsonov.

RUSSIAN, per, Metallovedeniye i Obrabotka Metallov, No 1, 1958, pp 35-38.

Henry Brutcher
$3.40

Sci - Min/Met

Jun 58

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

Effect of Preceding Cold Working /and Annealing/ Upon Initial Stage of Plastic Deformation and /Subsequent/ Recrystallization of Iron, by Y.a. R. Rauzin.

RUSSIAN, per, Metallov i Obrabotka Metall, No 1, 1958, pp 39-42.

Brutcher Tr 4123
$4.85

Sci - Phys, Min/Met

Jun 58

65,724

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

Grain Growth and Surface Decarburization in Induction Heating of Steel Billets, by Ya. I. Rarker, M. G. Rogan.

RUSSIAN, per, Metallovedenie i Obrabotka Metallov No 2, 1958, pp 46-49

Henry Brutcher
$3.25

Set - Min/Met

Jun 58

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

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Procedure for Working Out the Heating Conditions for Steel on the Basis of Scale Thickness, Bark Thickness, and Grain Size, by I. F. Golovnev.

RUSSIAN, per, Metallov Obra Met, Jan 1958, pp 49-55.

Henry Brutcher 4126
$3.90

Sci - Min/Met
Oct 58

74, 859

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

Relief of Stresses in Quenched 1.20% Carbon Tool Steel U12A, by A. A. Gol'denberg.

RUSSIAN, per, Metal : Obrabotka Metallov, No 2, Feb 1958, pp 6-11.

Brutcher Tr 4146
$4.90

Sci - Min/Met

Aug 58

68,206

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

Long Time Strength of Welds at High Temperatures, by A. V. Stanyukovich, et al.

RUSSIAN, per, Metal i Obra Metallov, No 2, 1958, pp 12-18.

Infosearch Ltd.

HB - 4147

Min/Met
Sep 59

96,390

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

Characteristics of Fatigue Failure of Alloys at High Temperature, by V. A. Parfenov,

RUSSIAN, per, Metal i Obrabot Metallov, No 2, Feb 1958, pp 19-22.

Brutcher Tr 4148
$4.25

Sci - Min/Met
Jul 58

66,378

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

Mechanical Properties of Some Ultra High Strength /Structural/ Steels, by I. V. Paisov, So Yun Ho.

RUSSIAN, per, Metallovedeniye i Obrabotka Metall, No 2, 1958, pp 20-6.

Brutcher Tr 4140
$4.50

Sci - Min/Met

Jun 58

65,727

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

Induction Heating at 50 CPS of Heavy-Section Parts, by V. V. Aleksandrov.

RUSSIAN, per, Metallovedenie i Obrabotka Metallov, No 2, Feb 1958, pp 23-28.

HB 4149

Sci-M/M
Mar 63

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

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Recrystallization of Low Carbon Steel During Rapid Induction Heating, by B. A. Kuznetsov.

RUSSIAN, per, Metal i Obra Metallov, No 2, Feb 1958, pp 28-35.

Henry Brutcher 4150

$7.80

Sci - Engr

Oct 58

74,924

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

Mechanical Properties of Electrodeposited Copper as Depending on Electrolysis Conditions and Electrolyte Composition, by A. M. Ginberg, Yu. A. I Klyachko.

RUSSIAN, per, Metal i Obrabot Metallov, No 2, Feb 1956, pp 35-37.

Bc Brutcher Tr 4151
$2.90

Sci - Min/Met
Jul 58

66,288

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

R-1886 (DC-1722)

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RUSSIAN, mo per, Metal i Obrabotka Metallov, No 2, Moscow, Feb 1958, pp 56, 57.

US JPRS/DC-L-538

USSR
Eco - Ferrous Metallurgy
Steels, alloys

67,264

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

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Effect of Strain Hardening on the Mechanical Properties of Carbon Steels, by I. V. Kudryavtsev.

RUSSIAN, per, Metallov Obra Met, Mar 1958, pp 2-6.

Henry Brutcher 4171
$4.25

Sci - Engr
Oct 58

74, 853

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

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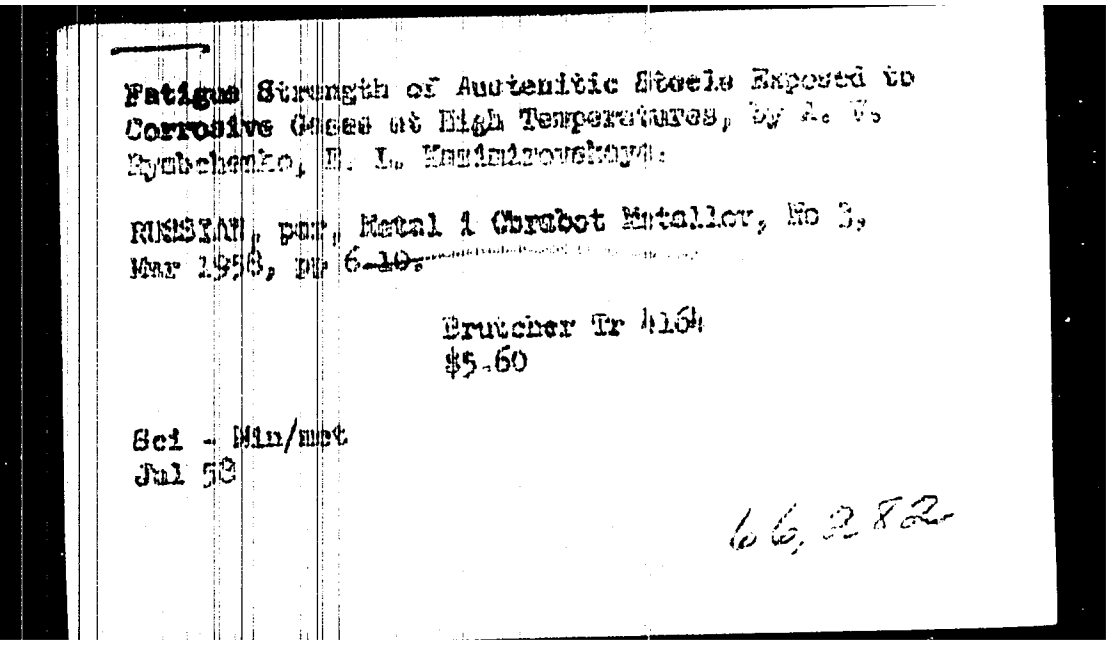

Fatigue Strength of Austenitic Steels Exposed to Corrosive Gases at High Temperatures, by A. V. Bykhchenko, B. L. Kaminskovskiy.

RUSSIAN, pub, Metal i Obrabot Metallov, No 3, Mar 1958, pp 6-10.

Brutcher Tr 4164
$5.60

Sci - Min/met
Jul 58

66282

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

Resistance Cyclique des Aciers Austenitiques a La Corrosion des Gaz a Haute Temperature, (Cyclic Resistance of Austenitic Steels to Gaseous Corrosion at High Temperatures), by A. V. Rybachenkov, E. L. Kazimirovskaya, 12 pp.

RUSSIAN to FRENCH, per, Metalloved i Obrabotka Metal, No 3, 1959, pp 6-10.

Reverse trans
CEA tr R-651

Nov 59

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

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X-Ray Study of Lattice in Cold-Drawn Steel Wire,
by Ya. B. Umanskiy, D. M. Zlatoustovskiy.

RUSSIAN, per, Metal i Term Metallov, No 3, Mar
1958, pp 11-15.

Henry Brutcher 4172
$5.75

Bel - Engr
Oct 58

74,937

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

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Examination of 1Kh18N12T Steel as a Tube Material for Power Stations, by A. S. Gel'man, et al.

RUSSIAN, per, Metal i Obra Metallov, No 3, 1958, pp 16-24.

Infosearch Ltd.

Sci - Min/Met
Sep 59

96,391

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

Carbides Formed in the Low-temperature Decomposition of Austenite, by V. G. Pomyakov.

RUSSIAN, per, Met i Obrabot Metallov, No 3, Mar 1958, pp 24-29.

Drutchar Tr 4163
$5.85

Sci - Min/Met
Jul 58

66-286

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

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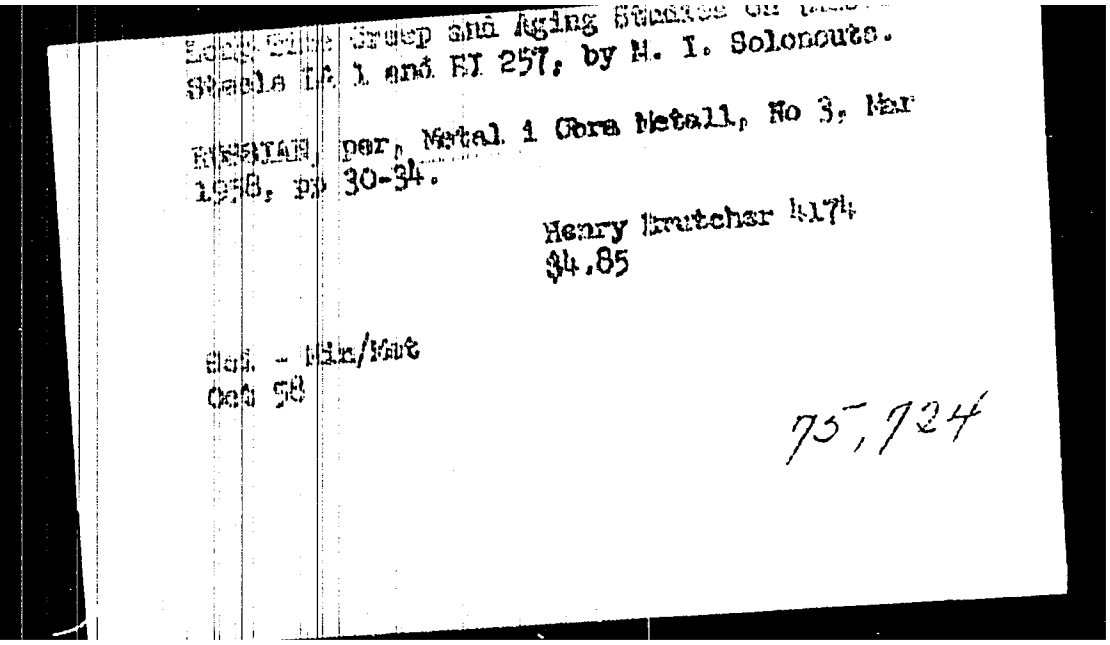

Creep and Aging Studies on [illegible]
Steels EI 1 and EI 257, by M. I. Solonouto.

RUSSIAN, per, Metal i Obra Metall, No 3, Mar
1958, pp 30-34.

Henry Krutcher 4174
$4.85

Gen. - Min/Met
Oct 58

75,724

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

Temporary Changes in Mechanical Properties [of Steel] During Phase Transformations, by V. G. Vorob'yev.

RUSSIAN, per, Metal i Obra Metallov, No 3, 1958, pp 35-[illegible]
38.

Henry Brutcher 4175
$4.65

Sci - Min/Met

Jan 59

79,670

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

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Study of Alloys of Magnesium With Various Rare-Earth Metals, by N. M. Tikhova, I. A. Altmayer,

RUSSIAN, per, Metal i Obrabot Metallov, No 3, Mar 1958, pp 38-41.

Brutcher Tr 4166
$5.60

Sci - Min/met
Jul 58

66,291

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

Study of Magnesium Alloys With Various Rare Earth Metals, by N. M. Tichov, L. A. Afanasoiev, 11 pg.

RUSSIAN to FRENCH, per, Metalloved i Obrabotka Metal, Vol III, 1958, pp 38-41.

CEA Tr R-622

Sep 59

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

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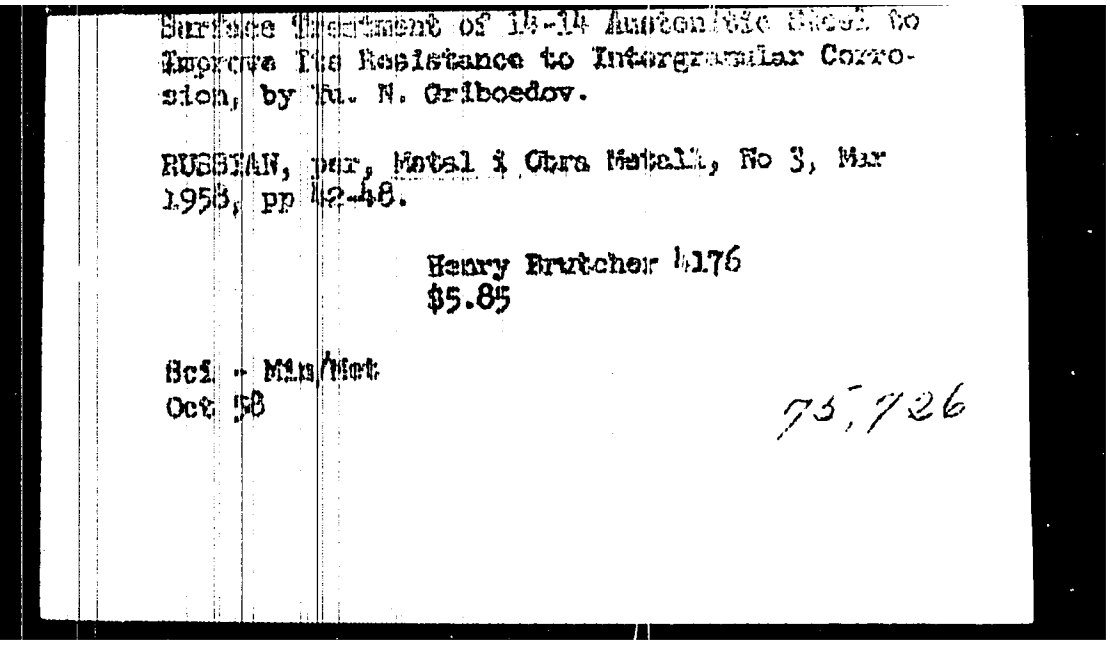

Surface Treatment of 18-14 Austenitic Steel to Improve Its Resistance to Intergranular Corrosion, by Yu. N. Griboedov.

RUSSIAN, per, Metal i Obra Metall, No 3, Mar 1958, pp 42-48.

Henry Brutcher 4176
$5.85

Bcl - Min/Met
Oct 58

75,726

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

Medium and Low Tungsten High-Speed Steels Alloyed With Cobalt, by M. S. Chayadayeva.

RUSSIAN, per, Metal i Obra Metallov, No 3, Mar 1958, pp 48-53.

Henry Brutcher 4177
$4.85

Sci - Mtl/Met
Oct 58

74, 928

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

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High-Frequency Heating Rates and Quenching Temperatures for Pearlitic Gray Cast Iron, by K P. I. Rusin.

RUSSIAN, per, Metal i Obra Metallov, No 3, Mar 1958, pp 53-56.

Henry Brutcher 4178

$5.60

Sol - Engr
Oct 58

74,947

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

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High-Power Quenching Media, by L. V. Petrash.

RUSSIAN, per, Metallov Obra Met, Mar 1958, pp 56-61.

Henry Brutcher 4179
$4.90

Bal - Min/Met
Oct 58

74, 860

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

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Chromized Steel of Higher Corrosion Resistance, by
N. F. Vrednikov, A. N. Papandopulo.

RUSSIAN, per, Metal i Obrabot Metallov, No 3, Mar
1958, pp 60-61.

Brutcher Tr 4169
$2.00

Sci - Min/mrt
Jul 58

66,277

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

Effect of Plastic Deformation on the Formation of Martensite, by M. G. Gridukov, V. D. Sadovskiy.

RUSSIAN, Fiz. Metal. Obra. Metallov, No 4, 1959, pp 2-7.

MB 4180

Sci - Chem

Jan 60.

105/432

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

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Strain Hardening, Softening, and High-Temperature Strength of Austenitic Alloy Steels, by L. A. Metashop, M. E. Blanter.

RUSSIAN, per, Metal i Obrabotka Metallov, No 4, Apr 1958, pp 7-9.

Brutcher Tr 4181
$2.85

Sci - Min/Met

Aug 58

68-2002

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

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Magnetometric Study of Electric Tempering of Steel,
by V. N. Gridnev, V. G. Permyakov, et al.
RUSSIAN, per, Metal i Obra Metallov, No 4, 1958,
pp 9-16.
HB 4182

Sci - M/M
Apr 64

255,964

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

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Effect of High-Temperature Aging on Structure and Properties of 18% Cr, 8% Ni Steels, by Kh. I. Cheskis, S. I. Vol'fson.

RUSSIAN, per, Metal i Obrabotka Metallov, No 4, Apr 1958, pp 16-25.

Brutcher Tr 4183
$9.35

Sci - Min/Met

Aug 58

6.3.194

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Effect of Relative Contents of Sodium Cyanide and Hydroxide on Electrogalvanizing Baths on Mechanical Properties of Steel Plated, by I. I. Moroz, N. T. Kudryavtsev.

RUSSIAN, per, Metal i Obrabotka Metallov, No 4, X Apr 1958, pp 25-28.

Brutcher Tr 4184
$3.85

Sci - Chem

Aug 58

68,203

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

Investigation of the Mechanical and Magnetic Properties of Fe-Ni-Al Alloys for Permanent Magnets, by A. A. Shekalov, Ya. I. Streis. UECL

RUSSIAN, por, Metal i Obrat Metallov, No 4, 1958, pp 29-.

DSIR LLU M.571

(loan)

116,507

Sci - Chem; Phys
May 60

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

Study of Mechanical and Magnetic Properties of Iron-Nickel-Aluminum Permanent-Magnet Alloys, by A. A. Shekalov, Ya. I. Shtreis. RUSSIAN, per, Metallovedenie i Obrabotka Metallov, No 4, Apr 1958, pp 29-38.
HB 4185

Sci-Mat
Sep 68

365.577

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

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Forging Practice and Quality of Steel for Steam-Turbine and Turbogenerator Rotors, by N. V. Tikhomirov.

RUSSIAN, per, Metal i Obra Metallov, No 4, 1958, pp 39-43.

Henry Brutcher 4136
$6.75

Sci - Engr

Apr 59

84, 296

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

Isothermal Bright Quenching of Cold-Coiled Springs of 0.60% C, 2% Si Steel 60S2A, by B. V. Venkov, I. I. Borisova, M. A. Noskova.

RUSSIAN, per, Metal i Obrabotka Metallov, No 4, Apr 1958, pp 44-45.

Brutcher Tr 4187
$2.25

Sci - Min/Met

Aug 58

68,205

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

Improved Heat Treatment Practices for Some Forged Auto Parts, by A. E. Shevelev,

RUSSIAN, per, Metal i Obra Metallov, No 4, 1958, pp 45-49.

HB 4188

Sci - Engr

Apr 61

144,990

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

Effect of Magnesium on the Graphitization of White Cast Iron, by A. V. Chernovol, Yu. N. Taran.

RUSSIAN, per, Metal i Obrabotka Metallov, No 4, Apr 1958, pp 49-51.

Brutcher Tr 4189
$2.85

Sci - Chem

Aug 58

68,200

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

All-Union Conference in Leningrad on the Industrial Uses of High-Frequency Currents, by S. L. Rustem. RUSSIAN, per, Metal i X Obra Metallov, No 4, 1958, pp 61-64.
HB 4191

Sci -Phys
May 64

258,355

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

Change in Strength Coefficient Due to Martensite Formation During Plastic Deformation, by M. G. Gaidukov, V. D. Sadovskiy.

RUSSIAN, per, Metal i Obra Metallov, No 5, 1958, pp 4-8.

42.14
Henry Brutcher 48Sx
$4.65

Sci - Min/Met

Jan 59

79,592

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

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Calculation of Springback of Bimetallic Bushings [for Auto Engines] in Press Forming, by L. Yu. Pruzhanskiy.

RUSSIAN, per, Metal i Obra Metallov, No 4, 1958, pp 13-16. /5\

HB 4216

Sci - Min/Met

May 60

116,530

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

High-Temperature Carbonitriding of Plain Carbon Steels, by O. K. Kotov.

RUSSIAN, per, Metal i Obra Metall, No 5, May 1958, pp 16-20.

Brutcher Tr 4217
$4.25

Chem

Sci - Manufact.

Sep 58

72,592

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

Study of Austenitic Chrome-Manganese Steels,
by A. S. Panicheva.

RUSSIAN, par, Metalli i Obra Metallov, No 5,
1958, pp 23-27.

Henry Brutcher 4219
$4.45

80, 675

Hoi - Min/Met

Jan 59

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100230057-0

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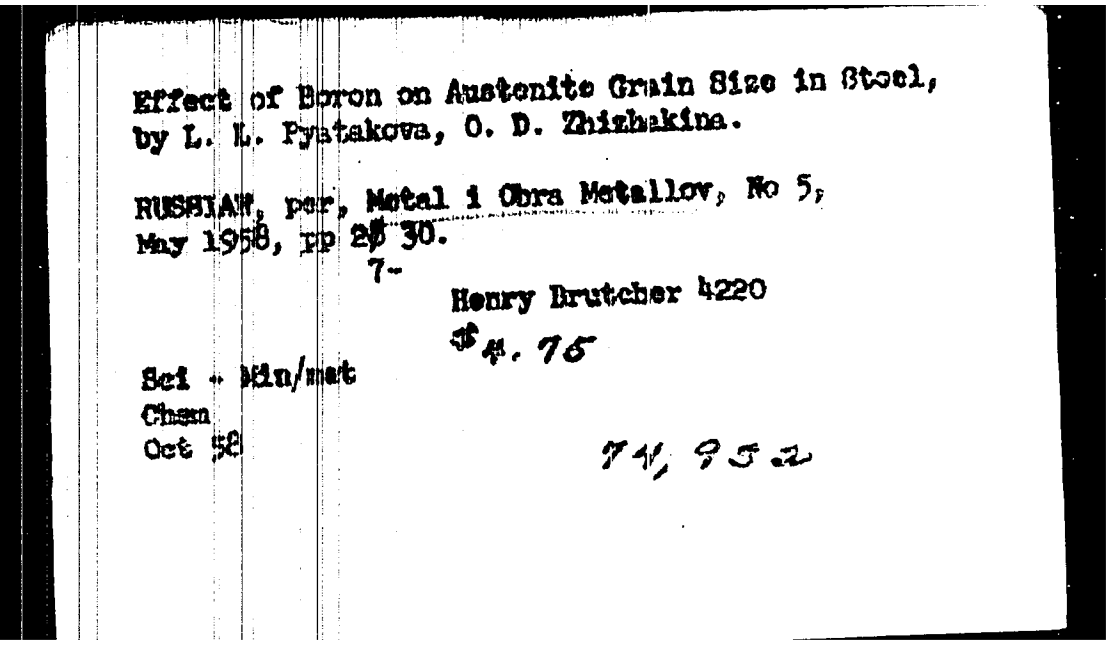

Effect of Boron on Austenite Grain Size in Steel,
by L. L. Pyatakova, O. D. Zhizhakina.

RUSSIAN, per, Metal i Obra Metallov, No 5,
May 1958, pp 28 30.

7-

Henry Brutcher 4220
$4.75

Sci - Min/met
Chem
Oct 58

74, 952

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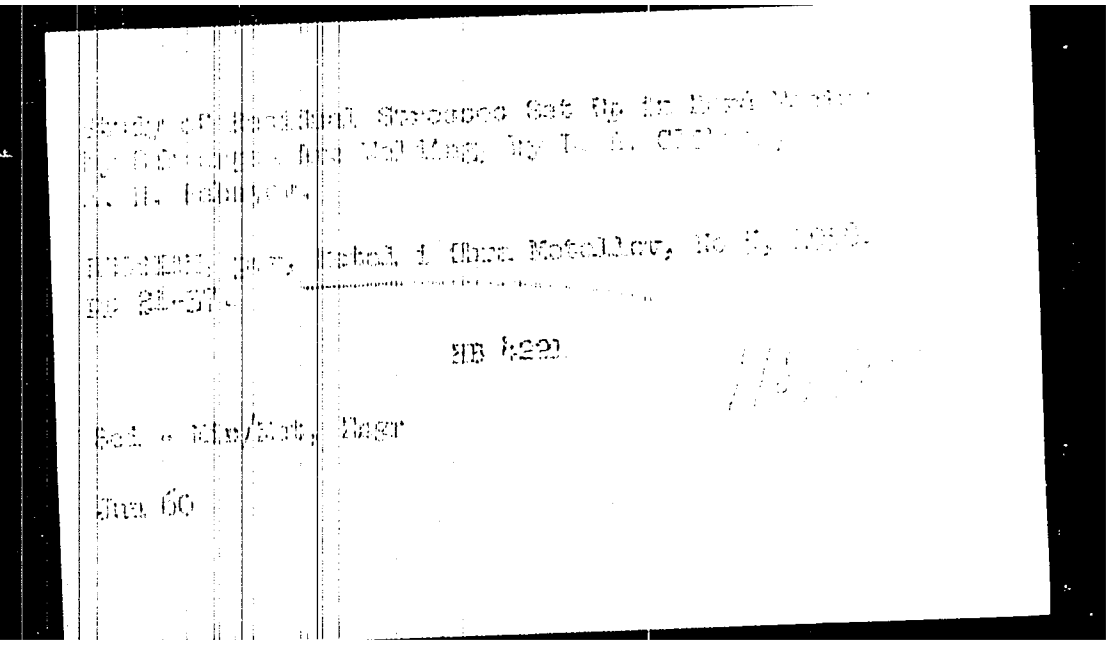

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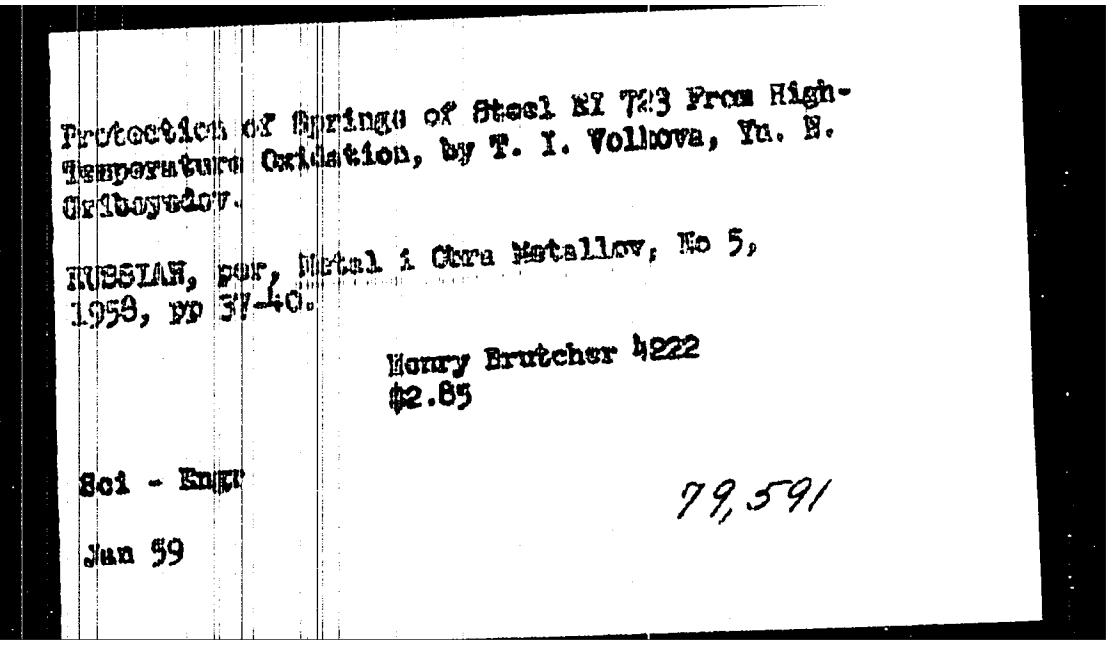

Protection of Springs of Steel EI 723 From High-Temperature Oxidation, by T. I. Volkova, Yu. E. Gribovskov.

RUSSIAN, per, Metal i Obra Metallov, No 5, 1958, pp 37-40.

Henry Brutcher 4222
$2.85

Sci - Engr

Jan 59

79,591

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